

Fig. 1 (Prior Art)

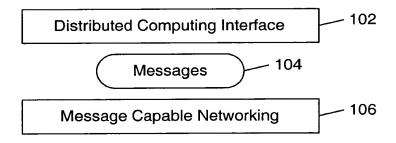


Fig. 2

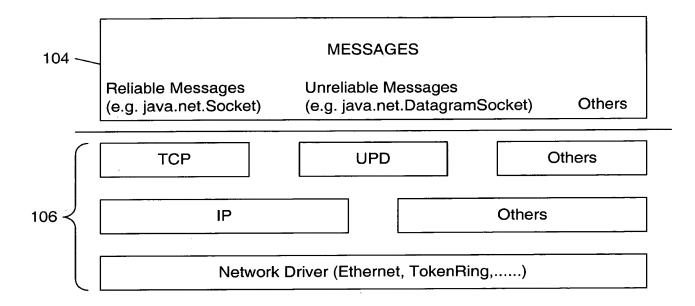


Fig. 3

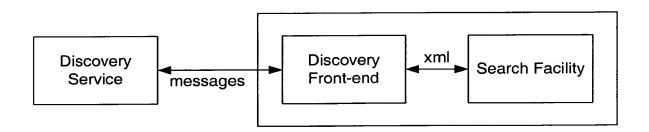


Fig. 4

## Dynamic

## Client Profile

Claim and Release (a lease) Find (an object)

Write and Take (an object) Notify on Write Public Apis

Dynamic XML to / from Objects

Send / Receive Byte Messages

**Connection Transport** 

Static

Client Profile

Static XML Message Definitions

Send / Receive Byte Messages

**Connection Transport** 

Fig. 5

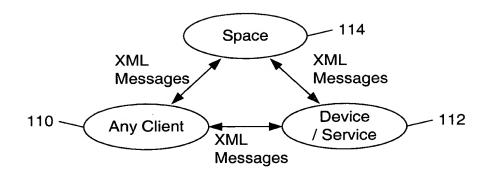


Fig. 6

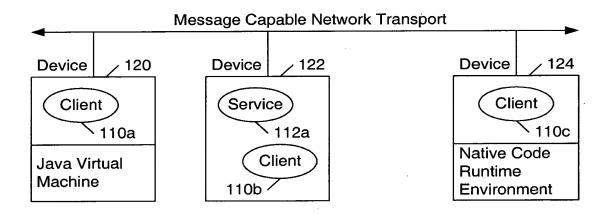


Fig. 7

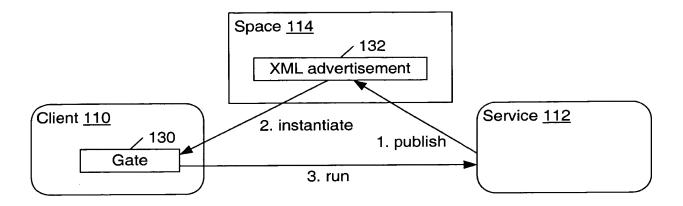


Fig. 8

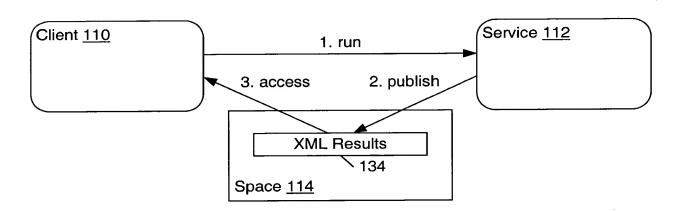


Fig. 9

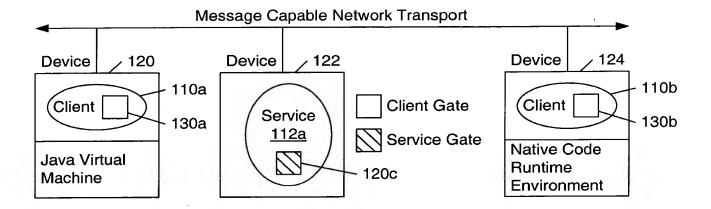


Fig. 10a

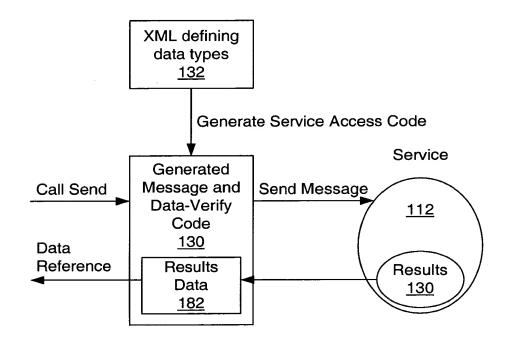


Fig. 10b

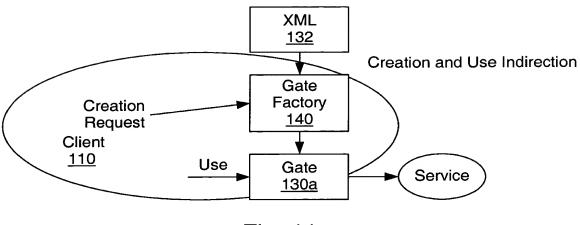


Fig. 11a

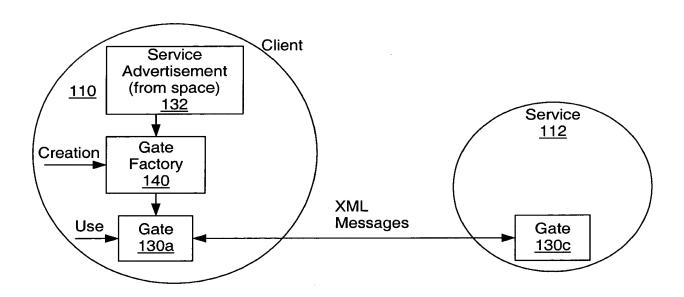


Fig. 11b

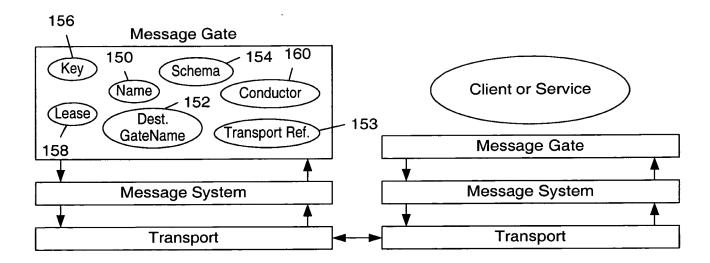


Fig. 12

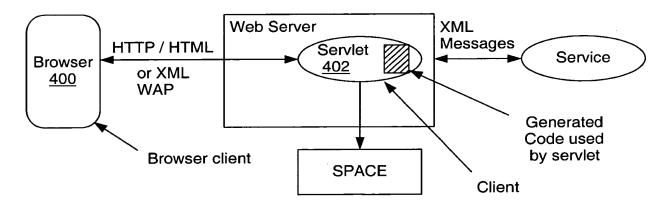


Fig. 13

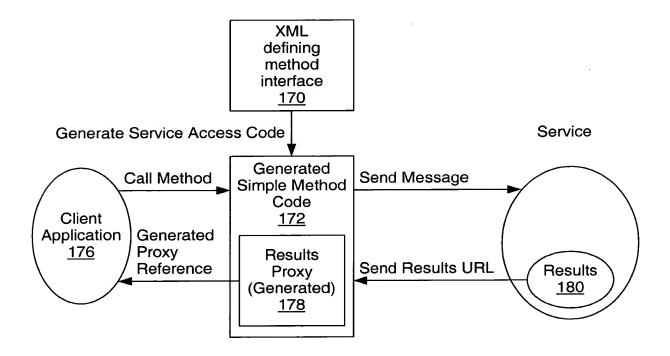


Fig. 14

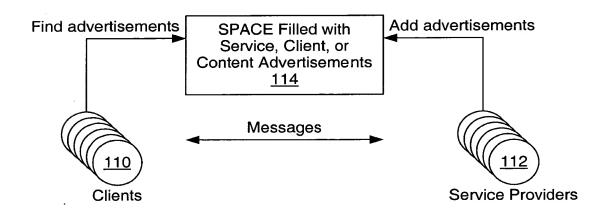


Fig. 15

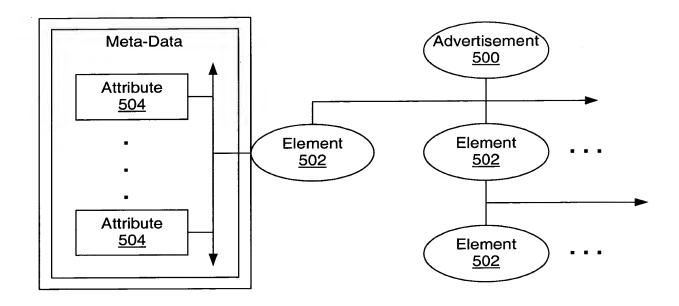


Fig. 16

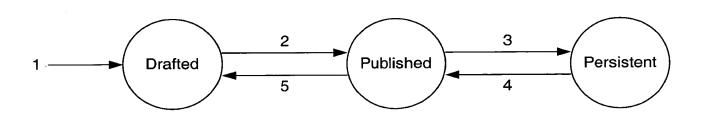
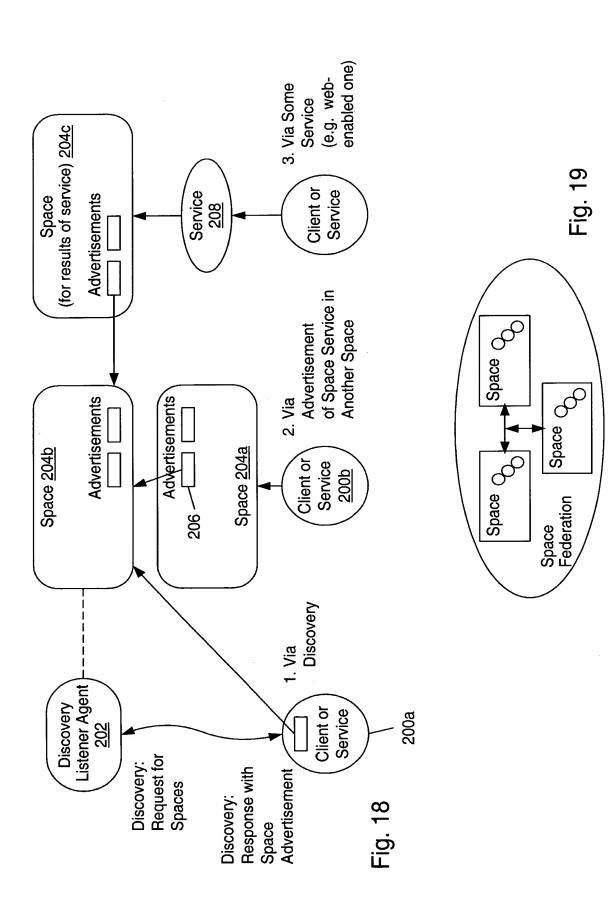


Fig. 17



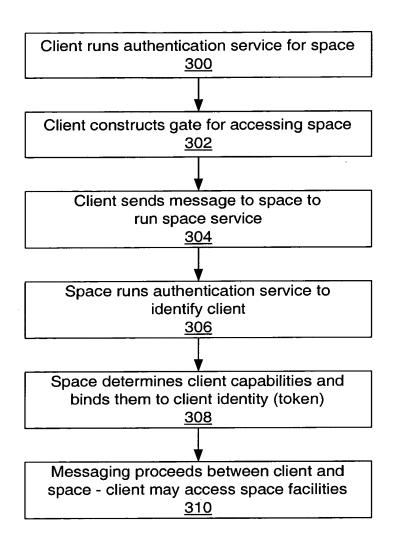


Fig. 20

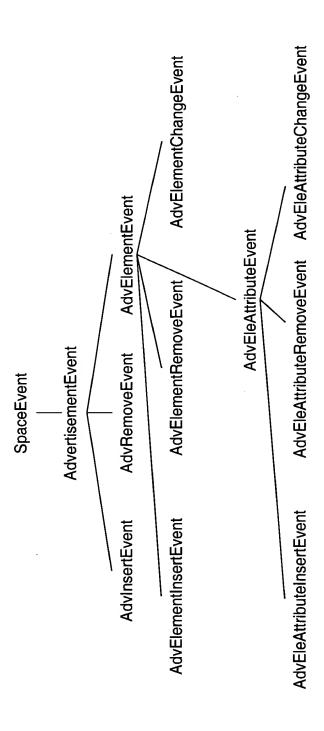


Fig. 21

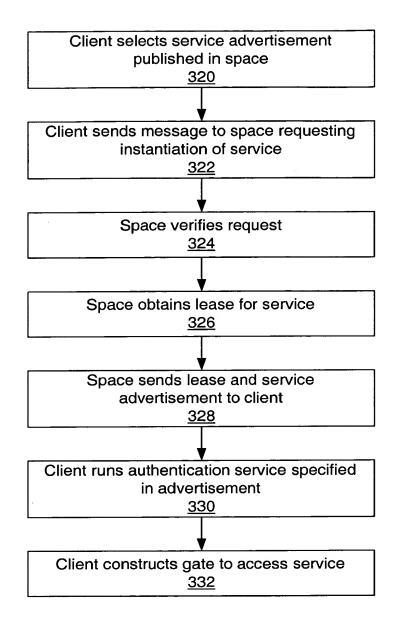


Fig. 22

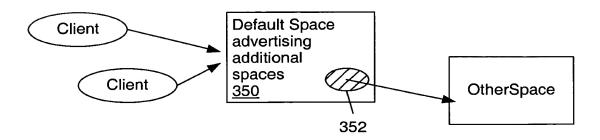
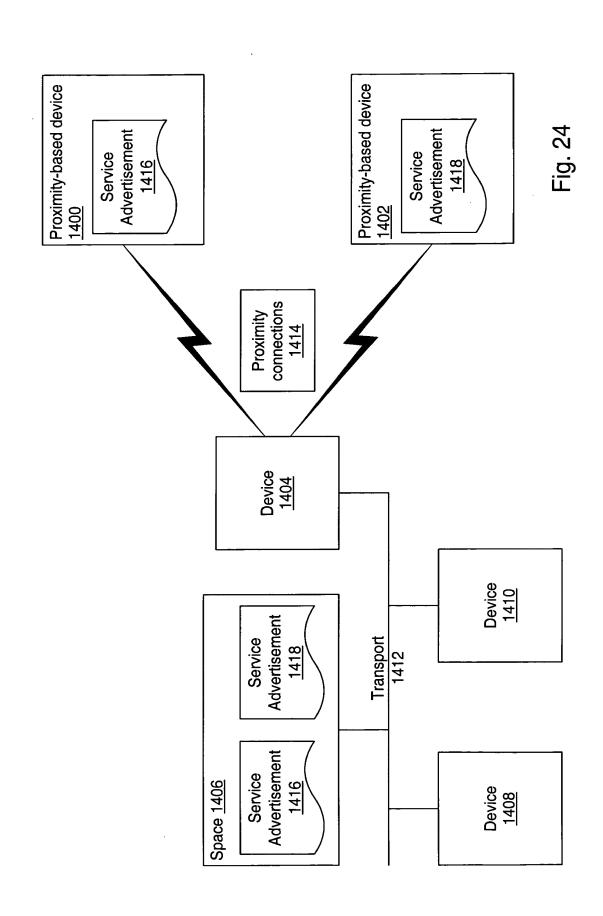


Fig. 23



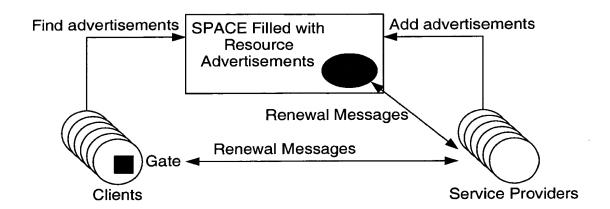


Fig. 25

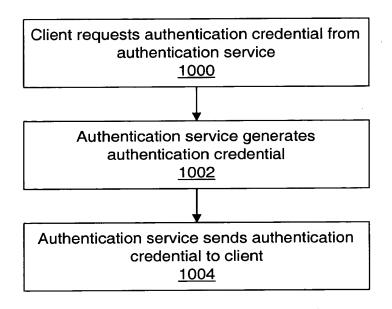


FIG. 26a

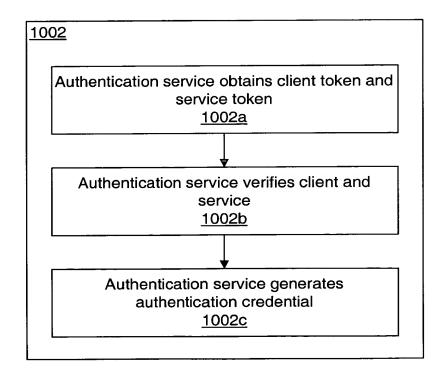
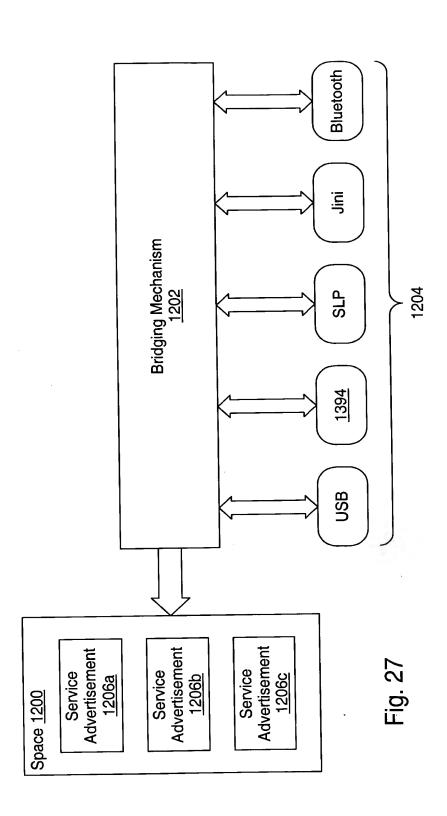
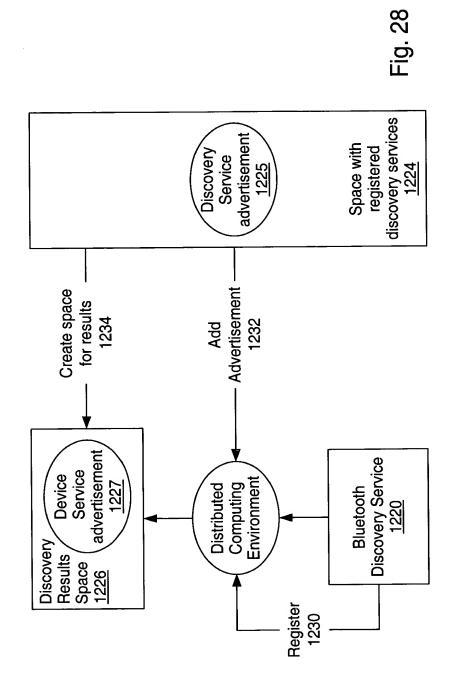
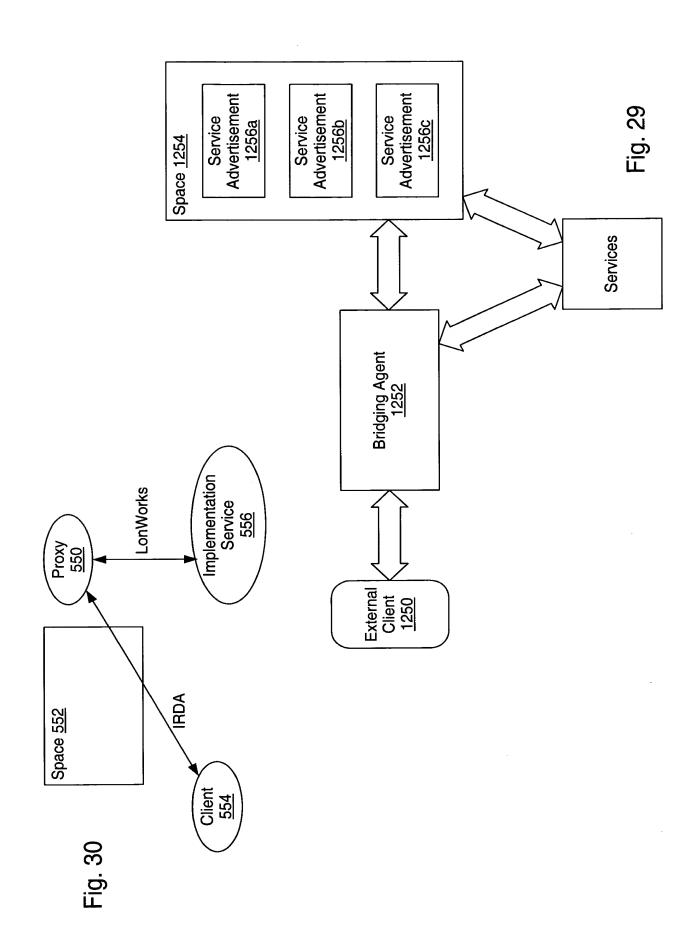
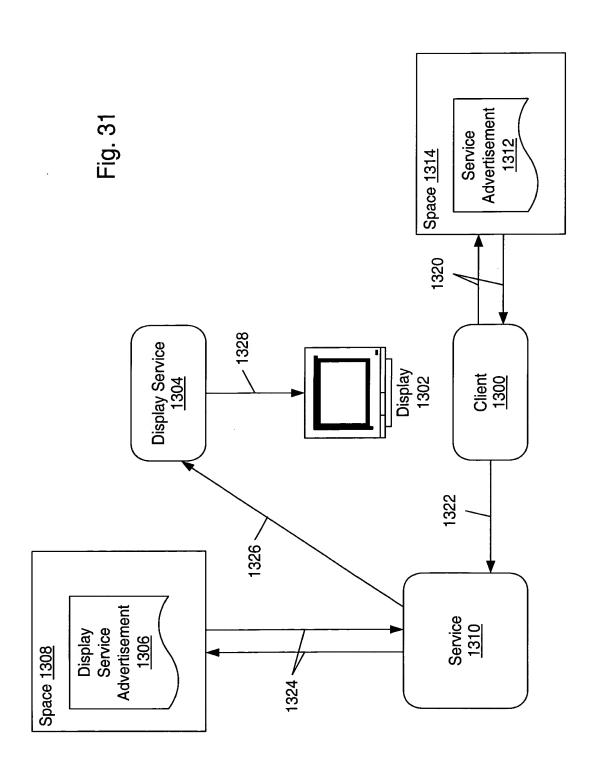


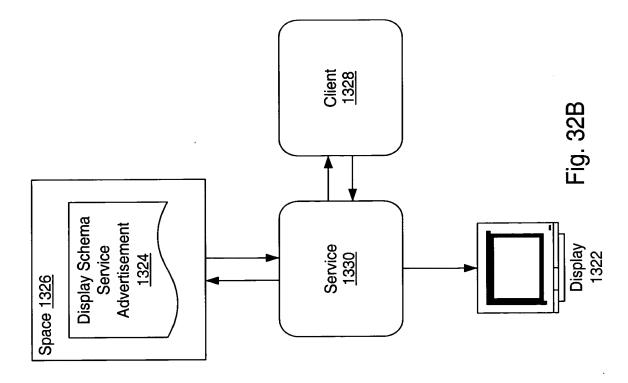
FIG. 26b

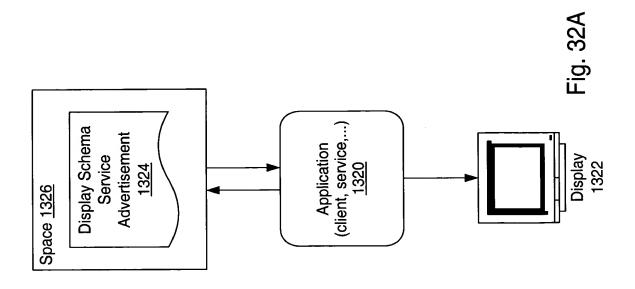


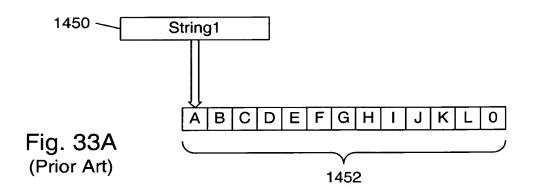


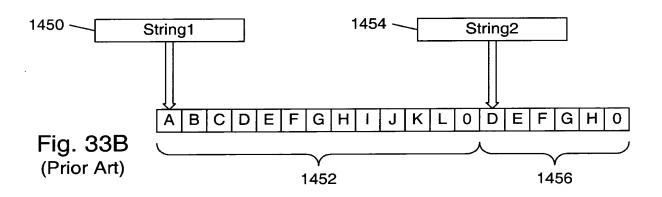


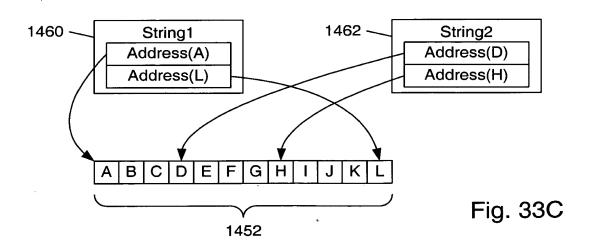












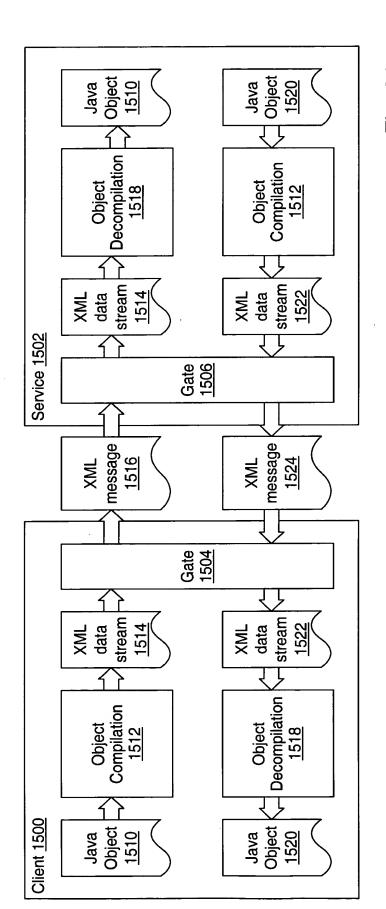


Fig. 34

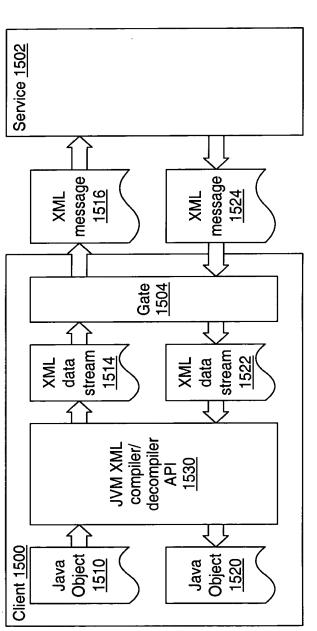
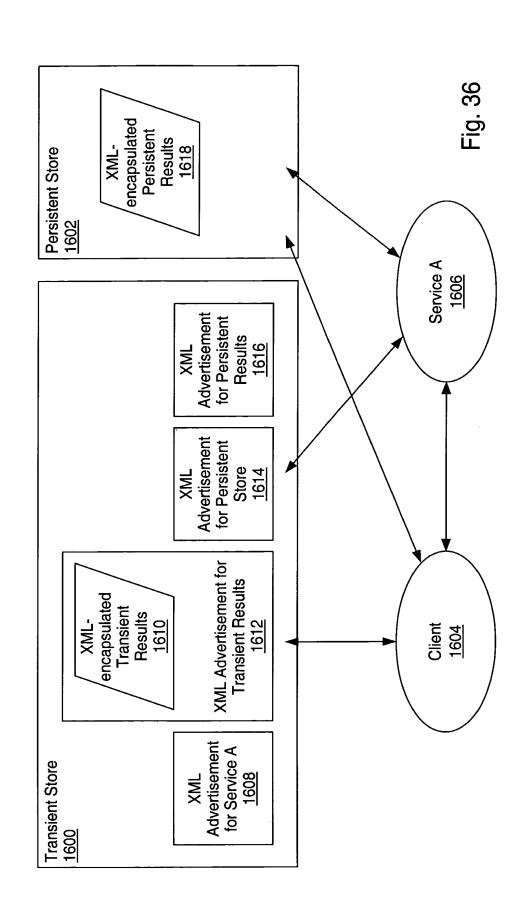
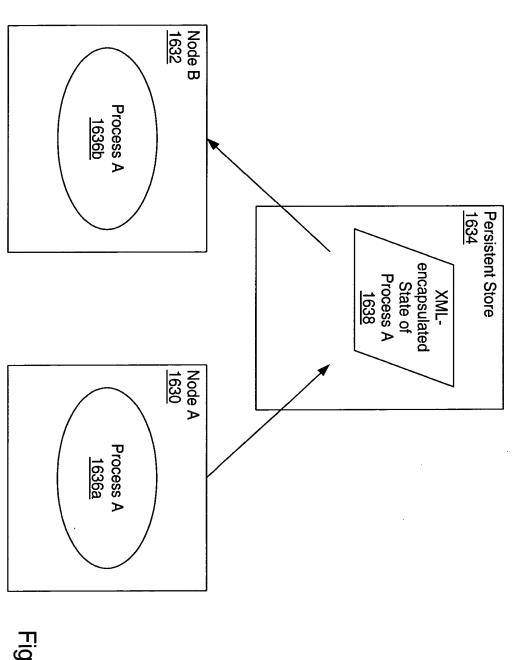


Fig. 35b Service 1502 message message XML <u>1516</u> XML 1524 stream 1522 stream XML data data 1514 XML JVM XML compiler/ decompiler API 1530 Gate 1504 Java Object 1510 Client 1500 Object 1520 Java

Fig. 35a





ig. 37

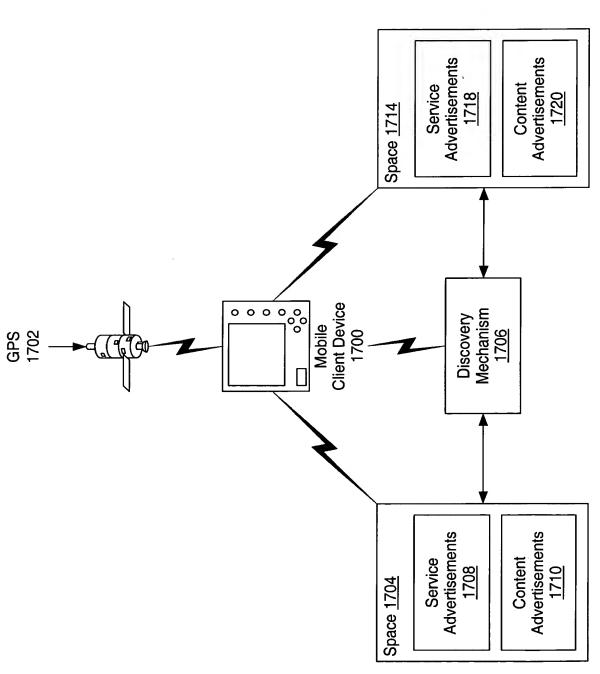
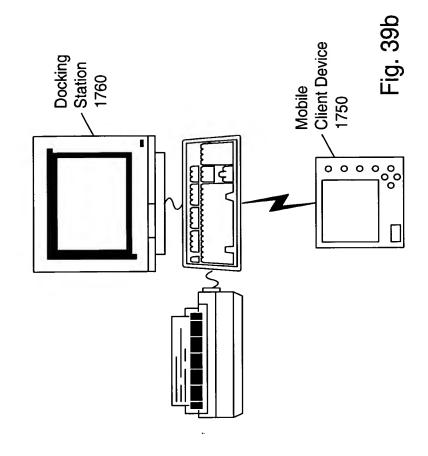


Fig. 38



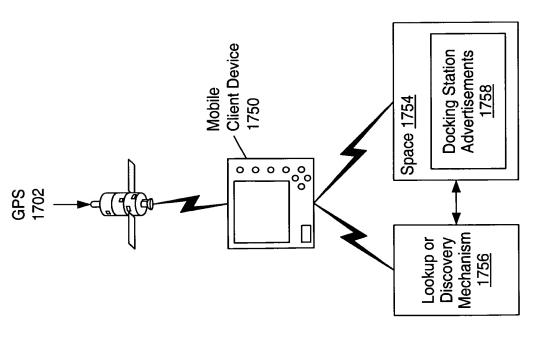
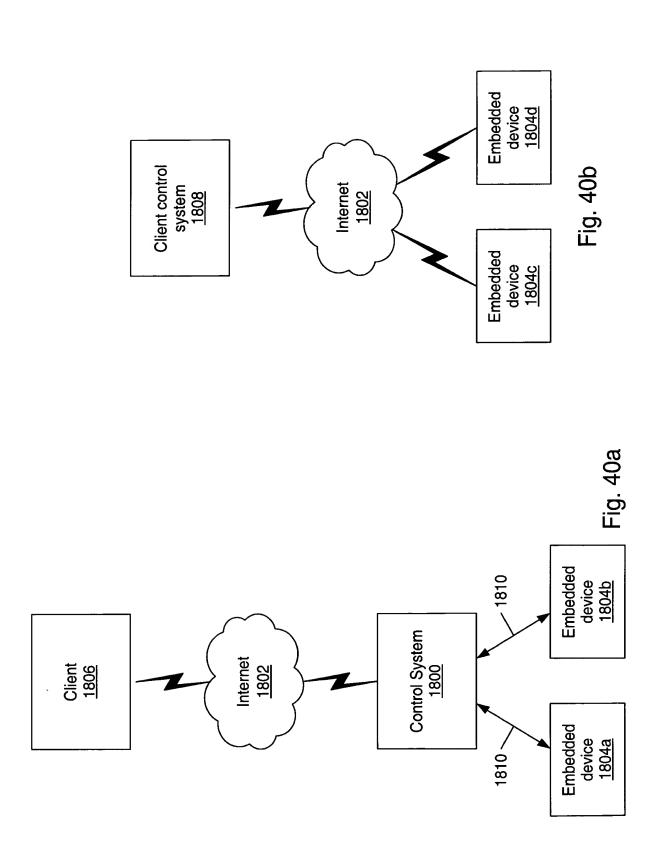


Fig. 39a



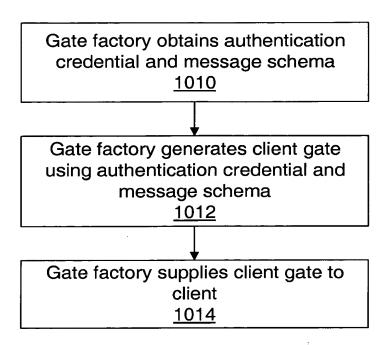
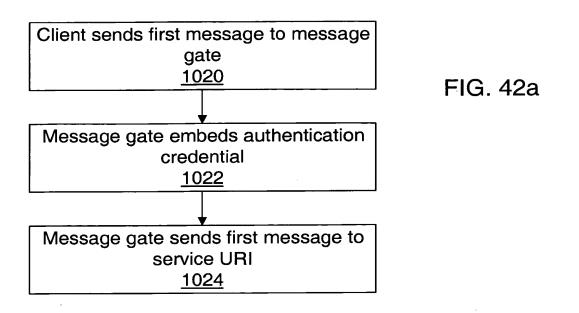
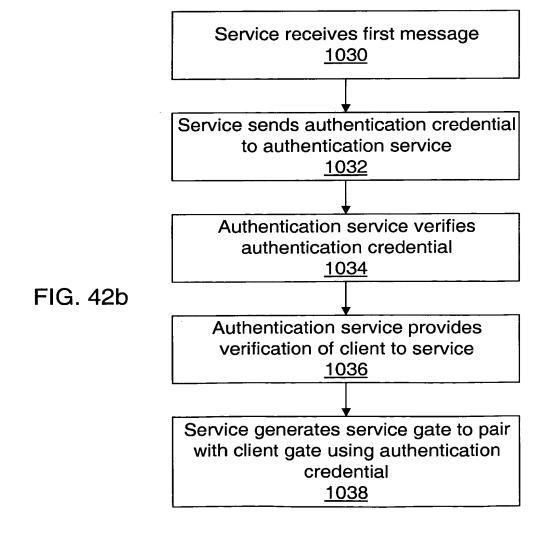


FIG. 41





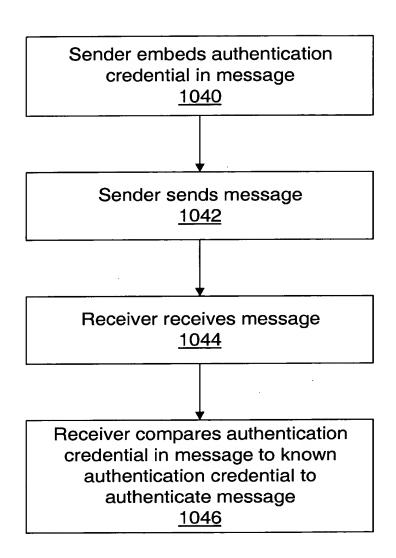


FIG. 42c

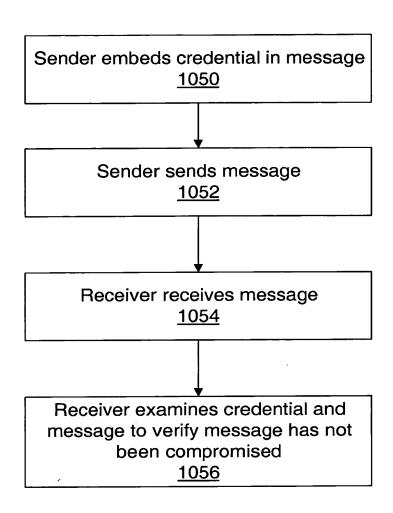


FIG. 43

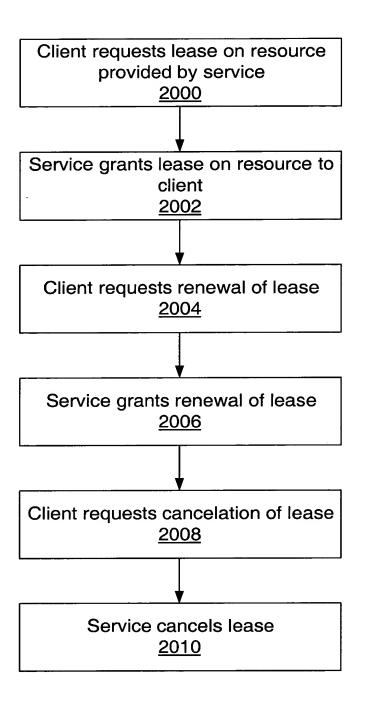


FIG. 44